Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. Canceled

- 2. (Currently Amended) The method of claim 419, wherein a session sequence number is assigned to a session when a session is initiated, and said sequence number is stored in said array.
- 3. (Original) The method of claim 2, wherein as input and output operations are processed, the session sequence number is stored in a chunk allocation block.
- 4. (Currently Amended) The method of claim <u>119</u>, wherein said data affected by said at least one second session write operation is copied from a source disk to be stored at a cache disk.
- 5. (Canceled)
- 6. (Currently Amended) The method of claim 119, wherein sessions are assigned specific slots in the array, and wherein when a new session is to replace a corresponding prior session, it is assigned to the same slot in the array as the prior session.
- 7. (Original) The method of claim 6, wherein said sessions are assigned session ID's, and wherein the session ID of a prior invalidated session is different from the session ID of a later corresponding session assigned to its same slot in the array.

- 8. (Currently Amended) The method of claim 119, wherein said array comprises a direct linear map pointing to sections of the disk where data is located for each session.
- 9. (Original) The method of claim 8, wherein said direct linear map comprises a Map Region subsystem, a Paging subsystem, a Chunk Repository subsystem and a Direct Linear Map subsystem.
- 10. (Currently Amended) The method of claim 419, wherein each session is assigned a unique session ID.

11. Canceled

- 12. (Currently Amended) The method of claim 1120, further comprising invalidating a session by assigning a new session corresponding thereto to the invalidated session's slot in the array, and assigning the new session an ID different from that of the invalidated session.
- 13. (Currently Amended) The method of claim 1120, wherein said array comprises a direct linear map pointing to sections of the disk where data is located for each session.

14. (Canceled)

- 15. (Previously Presented) The method of claim 20, wherein said VM region subsystem presents all VM metadata as a set of 64KB VM regions.
- 16. (Previously Presented) The method of claim 20, wherein said paging subsystem maintains a least recently used number of pages so that unused pages can be used to read in new VM regions.

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17. (Previously Presented) The method of claim 20, wherein the Chunk Repository subsystem manages the cache disk as a set of mappable Chunks.

- 18. (Previously Presented) The method of claim 20, wherein the Direct Linear Map subsystem maintains a map from the source LU offset, session and LU write bit to a mappable Chunk.
- 19. (Previously Presented) A method of creating point-in-time view of data on a disk, comprising:

initiating from a host, a first session of writing data to a disk which affects a portion of the disk;

creating and storing entries in an array on the disk which identifies where the data written to the disk during said first session is located;

initiating at least one second session of writing data to a disk at a time different from the initiation of the first session, with said at least one second session of writing data affecting a portion of the disk;

copying data in any portion of the disk corresponding to said first session which is to be affected by a write operation by said at least one second session;

creating and storing entries in said array which identify where data corresponding to said first session which is to be affected by a write operation by said at least one second session is located;

invalidating said entries in said array for said at least one of said first and said second session when at least one of a new first session and a new second session is initiated; and

wherein said first session and said at least one session are initiated and controlled by a first host, and point-in-time viewing of the data on the disk is conducted by a second host.

20. (Currently Amended) A method of allowing point-in-time view of data on a disk, for data written to a disk throughout a plurality of different sessions, comprising;

creating an array on a disk comprised of a map which is a linear map which stores entries and points to locations which are sections of the disk where data is located for each session, said linear map comprising a Map Region subsystem, a Paging subsystem, a Chunk Repository subsystem and a Direct Linear Map subsystem;

assigning predetermined slots for corresponding sessions in said array; and assigning a unique session ID for each session for which entries are stored as said array;

- 21. (Currently Amended) The method of claim 1120, wherein data writing for sessions is initiated and controlled by a first host, and point-in-time viewing of data on the disk is conducted by a second host.
- 22. Canceled